	Search Terms
1	CURVE
2	CURVES
3	EDGE
4	EDGES
5	FIT
6	FITS
7	FITTED
8	FITTING
9	FITTINGS
10	LINE
11	LINES
12	PIXEL
13	PIXELS
14	RADII
15	RADIUS
16	RADIUSES
17	SUB-SET
18	SUB-SETS
19	SUBSET
20	SUBSETS
21	(((SUB-SET OR SUBSET) AND (RADIUS SAME (CURVE OR EDGE OR LINE)) AND (CURVE SAME (FITTING OR FIT OR FITTED)) AND PIXEL AND EDGE)

	Total	USPAT	US-PGPUB	EPO	JPO	Derwent	IBM TDB	USOCR
1	455274							
2	191086							
3	1694703							
4	942412							
5	782928							
6	270078							
7	1073375							
8	578127							
9	87215							
10	3069271							
11	1489671							
12	164247							
13	120526							
14	65635							
15	351089							
16	3353							
17	3143							
18	1221							
19	67680							
20	21584							
21	59							

	U	1	Document ID	Issue Date	Pages	Title	Current OR
1	☐	☐	US 20030072417 A1	20030417	16	Method and apparatus for calibrating an imaging system	378/207
2	⊠	☐	US 20030069494 A1	20030410	12	System and method for segmenting the left ventricle in a cardiac MR image	600/410
3	⊠	☐	US 20030065476 A1	20030403	32	System and method for curve fitting using randomized techniques	702/179
4	⊠	☐	US 20030053697 A1	20030320	41	Systems and methods for tubular object processing	382/203
5	⊠	☐	US 20030053696 A1	20030320	32	System and method for performing edge detection in an image	382/199
6	⊠	☐	US 20030025921 A1	20030206	23	Method and system for image processing	358/1.2
7	⊠	☐	US 20030007690 A1	20030109	38	System and method for image pattern matching using a unified signal transform	382/209
8	⊠	☐	US 20020176635 A1	20021128	23	Method and system for reconstructing 3D interactive walkthroughs of real-world environments	382/284

	Current XRef	Retrieval Classif	Inventor	S	C	P	2	3	4	5
1	378/37		Kaufhold, John Patrick et al.	☒	☐	☐	☐	☐	☐	☐
2			Jolly, Marie-Pierre	☐	☐	☐	☐	☐	☐	☐
3			Schmidt, Darren et al.	☐	☐	☐	☐	☐	☐	☐
4			Aylward, Stephen R. et al.	☐	☐	☐	☐	☐	☐	☐
5			Schmidt, Darren et al.	☐	☐	☐	☐	☐	☐	☐
6	358/1.9		Delean, Bruno	☐	☐	☐	☐	☐	☐	☐
7			Rajagopal, Ram et al.	☐	☐	☐	☐	☐	☐	☐
8			Aliaga, Daniel G. et al.	☐	☐	☐	☐	☐	☐	☐

	Image Doc. Displayed	PT
1	US 20030072417	☐
2	US 20030069494	☐
3	US 20030065476	☐
4	US 20030053697	☐
5	US 20030053696	☐
6	US 20030025921	☐
7	US 20030007690	☐
8	US 20020176635	☐

	U	1	Document ID	Issue Date	Pages	Title	Current OR
9	☒	☐	US 20020042153 A1	20020411	15	Method for determining the internal orientation of a wafer	438/14
10	☒	☐	US 20020015934 A1	20020207	145	Interactive orthodontic care system based on intra-oral scanning of teeth	433/29
11	☒	☐	US 6544805 B2	20030408		Method for determining the internal orientation of a wafer	438/14
12	☒	☐	US 6542157 B1	20030401		Font decoration by automatic mesh fitting	345/441
13	☒	☐	US 6512855 B1	20030128		Method and system for image processing	382/276
14	☒	☐	US 6419638 B1	20020716		Optical recognition methods for locating eyes	600/558
15	☒	☐	US 6373492 B1	20020416		Computer-assisted animation construction system and method and user interface	345/473
16	☒	☐	US 6249602 B1	20010619		Method and apparatus for determining a reference point of an object profile within an image	382/168
17	☒	☐	US 6247813 B1	20010619		Iris identification system and method of identifying a person through iris recognition	351/206

	Current XRef	Retrieval Classif	Inventor	S	C	P	2	3	4	5
9	438/462		Holcman, Ido et al.	☐	☐	☐	☐	☐	☐	☐
10	433/24		Rubbert, Rudger et al.	☐	☐	☐	☐	☐	☐	☐
11			Holcman, Ido et al.	☐	☐	☐	☐	☐	☐	☐
12	345/467; 345/469.1; 345/470		Browne, Cameron Bolitho	☐	☐	☐	☐	☐	☐	☐
13	382/299		Delean, Bruno	☐	☐	☐	☐	☐	☐	☐
14			Hay, Sam H. et al.	☐	☐	☐	☐	☐	☐	☐
15	345/443; 345/474		Kroitor, Roman B.	☐	☐	☐	☐	☐	☐	☐
16	382/142		Michael, David J. et al.	☐	☐	☐	☐	☐	☐	☐
17	382/117		Kim, Dae Hoon et al.	☐	☐	☐	☐	☐	☐	☐

	Image Doc. Displayed	PT
9	US 20020042153	☐
10	US 20020015934	☐
11		☐
12		☐
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16		☐
17		☐

	U	1	Document ID	Issue Date	Pages	Title	Current OR
18	☒	☐	US 6241675 B1	20010605		Methods and systems for determining velocity of tissue using three dimensional ultrasound data	600/443
19	☒	☐	US 6201988 B1	20010313		Radiotherapy treatment using medical axis transformation	600/427
20	☒	☐	US 6181836 B1	20010130		Method and system for non-destructive image editing	382/302
21	☒	☐	US 6163591 A	20001219		Screening apparatus and method	378/57
22	☒	☐	US 6095989 A	20000801		Optical recognition methods for locating eyes	600/558
23	☒	☐	US 6091492 A	20000718		Apparatus and method for determining the size distribution of particles by light scattering	356/336
24	☒	☐	US 6064759 A	20000516		Computer aided inspection machine	382/154
25	☒	☐	US 6047082 A	20000404		Automatic lens inspection system	382/141
26	☒	☐	US 5970164 A	19991019		System and method for diagnosis of living tissue diseases	382/128

	Current XRef	Retrieval Classif	Inventor	S	C	P	2	3	4	5
18	128/916; 600/447		Smith, David W. et al.	☐	☐	☐	☐	☐	☐	☐
19	378/65		Bourland, J. Daniel et al.	☐	☐	☐	☐	☐	☐	☐
20	345/428; 345/501; 382/305; 382/311		Delean, Bruno	☐	☐	☐	☐	☐	☐	☐
21	378/54; 378/89		Benjamin, Ralph	☐	☐	☐	☐	☐	☐	☐
22			Hay, Sam H. et al.	☐	☐	☐	☐	☐	☐	☐
23	356/343		Strickland, Michael L. et al.	☐	☐	☐	☐	☐	☐	☐
24	348/125; 356/603; 356/613; 382/141		Buckley, B. Shawn et al.	☐	☐	☐	☐	☐	☐	☐
25	382/143		Rhody, Harvey E. et al.	☐	☐	☐	☐	☐	☐	☐
26	378/37; 382/132; 382/274		Bamberger, Philippe et al.	☐	☐	☐	☐	☐	☐	☐

	Image Doc. Displayed	PT
18		☐
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24		☐
25		☐
26		☐

	U	1	Document ID	Issue Date	Pages	Title	Current OR
27	☒	☐	US 5956250 A	19990921		Apparatus and method for autonomous vehicle navigation using absolute data	701/26
28	☒	☐	US 5854634 A	19981229		Computer-assisted animation construction system using source poses within a pose transformation space	345/473
29	☒	☐	US 5838562 A	19981117		System and a method for enabling a vehicle to track a preset path	701/213
30	☒	☐	US 5832055 A	19981103		Method of correcting a radiation image for defects in the recording member	378/62
31	☒	☐	US 5797396 A	19980825		Automated method for digital image quantitation	600/407
32	☒	☐	US 5790708 A	19980804		Procedure for image processing in a computerized system	382/270
33	☒	☐	US 5735282 A	19980407		Flexible ultrasonic transducers and related systems	600/458
34	☒	☐	US 5684696 A	19971104		System and method for enabling an autonomous vehicle to track a desired path	701/25

	Current XRef	Retrieval Classif	Inventor	S	C	P	2	3	4	5
27	318/587; 701/206		Gudat, Adam J. et al.	☐	☐	☐	☐	☐	☐	☐
28			Kroitor, Roman B.	☐	☐	☐	☐	☐	☐	☐
29	180/167; 318/587		Gudat, Adam J. et al.	☐	☐	☐	☐	☐	☐	☐
30	250/587		Dewaele, Piet	☐	☐	☐	☐	☐	☐	☐
31	382/128; 600/431; 600/458		Geiser, Edward A. et al.	☐	☐	☐	☐	☐	☐	☐
32	345/428; 382/302; 382/311		Delean, Bruno	☐	☐	☐	☐	☐	☐	☐
33			Hossack, John A.	☐	☐	☐	☐	☐	☐	☐
34	318/587; 701/123; 701/207		Rao, Prithvi N. et al.	☐	☐	☐	☐	☐	☐	☐

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27		☐
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	U	1	Document ID	Issue Date	Pages	Title	Current OR
35	☒	☐	US 5680313 A	19971021		System and method for detecting obstacles in a road	701/300
36	☒	☐	US 5680306 A	19971021		System, and method for enabling a vehicle to track a path	
37	☒	☐	US 5657226 A	19970812		System and method for causing an autonomous vehicle to track a path	701/23
38	☒	☐	US 5648901 A	19970715		System and method for generating paths in an autonomous vehicle	701/23
39	☒	☐	US 5646845 A	19970708		System and method for controlling an autonomously navigated vehicle	701/41
40	☒	☐	US 5646843 A	19970708		Apparatus and method for surface based vehicle control system	701/3
41	☒	☐	US 5640323 A	19970617		System and method for operating an autonomous navigation system	701/1
42	☒	☐	US 5629855 A	19970513		System and method for using parabolic models to improve position estimates from a global positioning system	701/300

	Current XRef	Retrieval Classif	Inventor	S	C	P	2	3	4	5
35	340/436; 348/118; 348/135; 382/104		Whittaker, William L. et al.	□	□	□	□	□	□	□
36	180/167		Shin, Dong Hun et al.	□	□	□	□	□	□	□
37	180/167		Shin, Dong Hun et al.	□	□	□	□	□	□	□
38	701/200		Gudat, Adam J. et al.	□	□	□	□	□	□	□
39	701/200; 701/26; 701/3		Gudat, Adam J. et al.	□	□	□	□	□	□	□
40	348/114; 348/118; 701/11		Gudat, Adam J. et al.	□	□	□	□	□	□	□
41	701/200; 701/207; 701/225		Kleimenhagen, Karl W. et al.	□	□	□	□	□	□	□
42	340/988; 342/357.02; 342/450; 701/120; 701/215		Kyrtsos, Christos T. et al.	□	□	□	□	□	□	□

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35		☐
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41		☐
42		☐

U	1	Document ID	Issue Date	Pages	Title	Current OR
43	☒ ☐	US 5615116 A	19970325		Apparatus and method for autonomous vehicle navigation using path data	701/23
44	☒ ☐	US 5612883 A	19970318		System and method for detecting obstacles in the path of a vehicle	701/300
45	☒ ☐	US 5610966 A	19970311		Method and device for linear wear analysis	378/58
46	☒ ☐	US 5610815 A	19970311		Integrated vehicle positioning and navigation system, apparatus and method	701/23
47	☒ ☐	US 5576827 A	19961119		Apparatus and method for determining the size distribution of particles by light scattering	356/336

	Current XRef	Retrieval Classif	Inventor	S	C	P	2	3	4	5
43	180/167; 318/587; 701/202; 701/213; 701/301		Gudat, Adam J. et al.	☐	☐	☐	☐	☐	☐	☐
44	340/435; 340/903; 356/5.01; 702/159		Shaffer, Gary K. et al.	☐	☐	☐	☐	☐	☐	☐
45	378/54; 378/901		Martell, John M. et al.	☐	☐	☐	☐	☐	☐	☐
46	318/587; 340/988; 342/357.08; 342/357.13; 342/357.14; 342/455; 342/457; 701/213; 701/217; 701/221; 701/301; 73/178R		Gudat, Adam J. et al.	☐	☐	☐	☐	☐	☐	☐
47	356/343		Strickland, Michael L. et al.	☐	☐	☐	☐	☐	☐	☐

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43	☐	
44	☐	
45	☐	
46	☐	
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	U	1	Document ID	Issue Date	Pages	Title	Current OR
48	☒	☐	US 5555503 A	19960910		System and method for providing accurate vehicle positioning using spatial bias techniques	701/207
49	☒	☐	US 5548516 A	19960820		Multi-tasked navigation system and method for an autonomous land based vehicle	701/200
50	☒	☐	US 5489782 A	19960206		Method and apparatus for quantum-limited data acquisition	250/369
51	☒	☐	US 5488684 A	19960130		Method and apparatus for rendering trimmed parametric surfaces	345/423
52	☒	☐	US 5438517 A	19950801		Vehicle position determination system and method	701/213
53	☒	☐	US 5390125 A	19950214		Vehicle position determination system and method	701/214
54	☒	☐	US 5375059 A	19941220		Vehicle position determination system and method	701/215
55	☒	☐	US 5360006 A	19941101		Automated method for digital image quantitation	600/425
56	☒	☐	US 5245679 A	19930914		Data field image compression	382/232

	Current XRef	Retrieval Classif	Inventor	S	C	P	2	3	4	5
48	342/357.08; 342/457; 701/300		Kyrtsos, Christos T. et al.	☐	☐	☐	☐	☐	☐	☐
49	701/213; 701/301		Gudat, Adam J. et al.	☐	☐	☐	☐	☐	☐	☐
50	250/363.02; 250/370.1; 250/371		Wernikoff, Robert E.	☐	☐	☐	☐	☐	☐	☐
51	345/625		Gharachorloo, Nader et al.	☐	☐	☐	☐	☐	☐	☐
52	342/357.03; 342/457; 701/214; 701/226		Sennott, James W. et al.	☐	☐	☐	☐	☐	☐	☐
53	342/357.02; 342/457; 701/226		Sennott, James W. et al.	☐	☐	☐	☐	☐	☐	☐
54	342/357.03; 342/457; 701/226		Kyrtsos, Christos T. et al.	☐	☐	☐	☐	☐	☐	☐
55	382/131; 382/171		Geiser, Edward A. et al.	☐	☐	☐	☐	☐	☐	☐
56	358/1.9		Rosenberg, Charles J.	☐	☐	☐	☐	☐	☐	☐

	Image Doc. Displayed	PT
48		☐
49		☐
50		☐
51		☐
52		☐
53		☐
54		☐
55		☐
56		☐

U	1	Document ID	Issue Date	Pages	Title	Current OR
57	⊠	☐	US 5159361 A	19921027		Method and apparatus for obtaining the topography of an object	351/212
58	⊠	☐	US 4945490 A	19900731		Brinell hardness indicator with digital readout	702/33
59	⊠	☐	US 4876728 A	19891024		Vision system for distinguishing touching parts	382/153

	Current XRef	Retrieval Classif	Inventor	S	C	P	2	3	4	5
57	351/247		Cambier, James L. et al.	☐	☐	☐	☐	☐	☐	☐
58	356/626; 73/81		Biddle, Jr., Ernest L. et al.	☐	☐	☐	☐	☐	☐	☐
59	348/94; 382/199; 382/203		Roth, Scott D.	☐	☐	☐	☐	☐	☐	☐

	Image Doc. Displayed	PT
57		☐
58		☐
59		☐

	Search Terms
1	CURVE
2	CURVES
3	NAIR-DINESH
4	RAJAGOPAL-RAM
5	SCHMIDT-DARREN
6	SUB-SET
7	SUB-SETS
8	SUBSET
9	SUBSETS
10	WENZEL-LOTHAR
11	(((((SCHMIDT-DARREN.IN.) OR (RAJAGOPAL-RAM.IN.)) OR ((NAIR-DINESH.IN.) AND (SUB-SET OR SUBSET) AND CURVE)) OR (WENZEL-LOTHAR.IN.))

	Total	USPAT	US-PGPU B	EPO	JPO	Derwent	IBM TDB	USOCR
1	455274							
2	191086							
3	22							
4	13							
5	5							
6	3143							
7	1221							
8	67680							
9	21584							
10	25							
11	26							

	U	1	Document ID	Issue Date	Pages	Title	Current OR
1	☐	☐	US 20030065476 A1	20030403	32	System and method for curve fitting using randomized techniques	702/179
2	☒	☐	US 20030053696 A1	20030320		System and method for performing edge detection in an image	382/199
3	☒	☐	US 20030031357 A1	20030213	34	System and method for analyzing an image	382/154
4	☒	☐	US 20030028348 A1	20030206		System and method for analyzing a surface by mapping sample points onto the surface and sampling the surface at the mapped points	702/155
5	☒	☐	US 20030007690 A1	20030109		System and method for image pattern matching using a unified signal transform	382/209
6	☒	☐	US 20020150298 A1	20021017		System and method for signal matching and characterization	382/209
7	☒	☐	US 20020147568 A1	20021010		System and method for scanning a region using conformal mapping	702/167
8	☒	☐	US 20020146172 A1	20021010		System and method for precise location of a point of interest	382/195

	Current XRef	Retrieval Classif	Inventor	S	C	P	2	3	4	5
1			Schmidt, Darren et al.	☒	☐	☐	☐	☐	☐	☐
2			Schmidt, Darren et al.	☐	☐	☐	☐	☐	☐	☐
3			Wenzel, Lothar et al.	☐	☐	☐	☐	☐	☐	☐
4			Wenzel, Lothar et al.	☐	☐	☐	☐	☐	☐	☐
5			Rajagopal, Ram et al.	☐	☐	☐	☐	☐	☐	☐
6	382/115; 382/128; 382/280; 708/404		Rajagopal, Ram et al.	☐	☐	☐	☐	☐	☐	☐
7			Wenzel, Lothar et al.	☐	☐	☐	☐	☐	☐	☐
8	382/291		Nair, Dinesh et al.	☐	☐	☐	☐	☐	☐	☐

	Image Doc. Displayed	PT
1	US 20030065476	☐
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3	US 20030031357	☐
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	U	1	Document ID	Issue Date	Pages	Title	Current OR
9	⊠	☐	US 20020146152 A1	20021010		System and method for scanning a region using a low discrepancy sequence	382/107
10	⊠	☐	US 20020141645 A1	20021003		System and method for scanning a region using a low discrepancy curve	382/195
11	⊠	☐	US 20020140700 A1	20021003		System and method for generating a low discrepancy curve in a region	345/442
12	⊠	☐	US 20020135578 A1	20020926		System and method for generating a low discrepancy curve on an abstract surface	345/442
13	⊠	☐	US 20020102018 A1	20020801		System and method for color characterization using fuzzy pixel classification with application in color matching and color match location	382/165
14	⊠	☐	US 20020089538 A1	20020711		System and method for programmatically generating a second graphical program based on a first graphical program	345/763
15	⊠	☐	US 20010024211 A1	20010927		System and method for programmatically modifying a graphical program in response to program information	345/763

	Current XRef	Retrieval Classif	Inventor	S	C	P	2	3	4	5
9			Rajagopal, Ram et al.	☐	☐	☐	☐	☐	☐	☐
10			Rajagopal, Ram et al.	☐	☐	☐	☐	☐	☐	☐
11			Wenzel, Lothar et al.	☐	☐	☐	☐	☐	☐	☐
12			Wenzel, Lothar et al.	☐	☐	☐	☐	☐	☐	☐
13			Lin, Siming et al.	☐	☐	☐	☐	☐	☐	☐
14			Wenzel, Lothar et al.	☐	☐	☐	☐	☐	☐	☐
15	345/764		Kudukoli, Ram et al.	☐	☐	☐	☐	☐	☐	☐

	Image Doc. Displayed	PT
9		☐
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U	1	Document ID	Issue Date	Pages	Title	Current OR
16	☒	☐	US 20010020291 A1	20010906		System and method for programmatically generating a graphical program in response to program information	717/100
17	☒	☐	US 6535640 B1	20030318	23	Signal analysis system and method for determining a closest vector from a vector collection to an input signal	382/225
18	☒	☐	US 6370270 B1	20020409	23	System and method for sampling and/or placing objects using low discrepancy sequences	382/209
19	☒	☐	US 6229921 B1	20010508	28	Pattern matching system and method with improved template image sampling using low discrepancy sequences	382/209
20	☒	☐	US 6222940 B1	20010424	29	Pattern matching system and method which detects rotated and scaled template images	382/217
21	☒	☐	US 6219452 B1	20010417	28	Pattern matching system and method which performs local stability analysis for improved efficiency	382/217

04/24/2003, EAST Version: 1.03.0002

	Current XRef	Retrieval Classif	Inventor	S	C	P	2	3	4	5
16			Kudukoli, Ram et al.	☐	☐	☐	☐	☐	☐	☐
17	382/253		Rajagopal, Ram et al.	☐	☐	☐	☐	☐	☐	☐
18	715/526		Nair, Dinesh et al.	☐	☐	☐	☐	☐	☐	☐
19			Wenzel, Lothar et al.	☐	☐	☐	☐	☐	☐	☐
20			Wenzel, Lothar et al.	☐	☐	☐	☐	☐	☐	☐
21			Nair, Dinesh et al.	☐	☐	☐	☐	☐	☐	☐

	Image Doc. Displayed	PT
16		☐
17	US 6535640	☐
18	US 6370270	☐
19	US 6229921	☐
20	US 6222940	☐
21	US 6219452	☐

	U	1	Document ID	Issue Date	Pages	Title	Current OR
22	☒	☐	US 5879551 A	19990309	12	Device for dewatering suspensions	210/401
23	☒	☐	US 3984329 A	19761005	10	Device for extracting liquid from sludge	210/396
24	☒	☐	EP 1018708 A2	20000712		System and method for sampling and/or placing objects using low discrepancy sequences	
25	☒	☐	WO 9515925 A1	19950615		DEVICE FOR DEWATERING SUSPENSIONS	
26	☒	☐	EP 443201 A1	19910828		Industrial furnace.	

	Current XRef	Retrieval Classif	Inventor	S	C	P	2	3	4	5
22	100/118; 210/405; 210/456; 210/783; 241/24.11; 241/79		Kolmar, Ulrich et al.	☐	☐	☐	☐	☐	☐	☐
23	210/400		Wenzel, Lothar et al.	☐	☐	☐	☐	☐	☐	☐
24			WENZEL, LOTHAR et al.	☐	☐	☐	☐	☐	☐	☐
25	366/160.1		KOLMAR, ULRICH et al.	☐	☐	☐	☐	☐	☐	☐
26	432/254.1		GORECKI, BOQUSLAW DIPL-ING et al.	☐	☐	☐	☐	☐	☐	☐

	Image Doc. Displayed	PT
22	US 5879551	☐
23	US 3984329	☐
24		☐
25		☐
26		☐